

# **Alewife Sewer Separation Project— Huron/Concord Ave Neighborhood Community Meeting – December 9, 2010**



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## **Meeting Agenda**

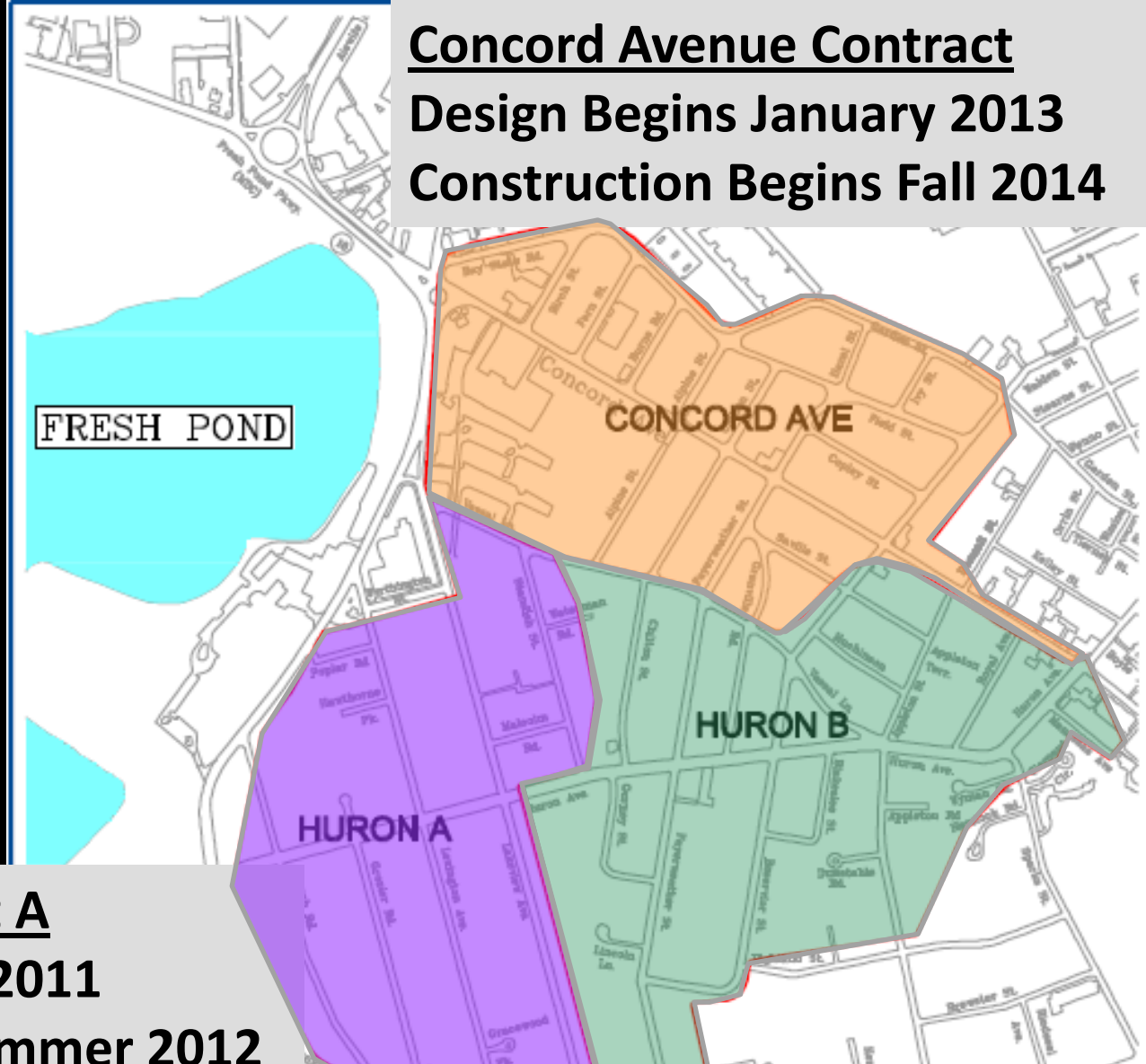
- Introduction – Owen O’Riordan
- Background – Catherine Woodbury
- Utility Improvements – James Wilcox
- Street & Sidewalk Program – Kathy Watkins
- Community Outreach – Kelly Dunn
- Next Steps – Owen O’Riordan

# Project Area

## Schedule

Sewer improvements  
on all 3 contracts –  
completed by end of  
2015.

Overall construction  
completed 2016.



**Concord Avenue Contract**  
**Design Begins January 2013**  
**Construction Begins Fall 2014**

**Huron Avenue Contract A**  
**Design Begins January 2011**  
**Construction Begins Summer 2012**



**Huron Avenue Contract B**  
**Design Begins – January 2012**  
**Construction Begins Summer 2013**

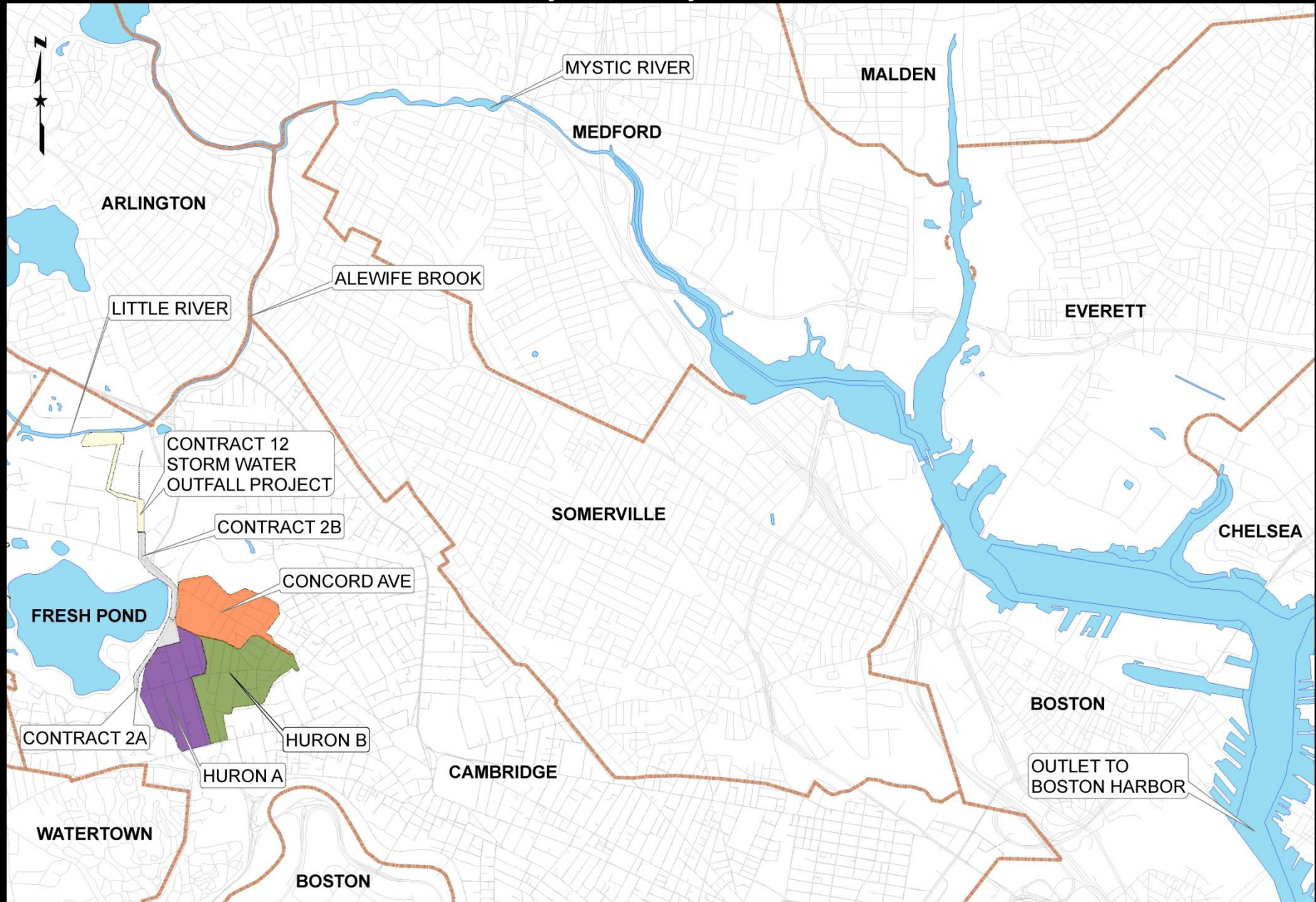


# MWRA: Boston Harbor court order program area





# Alewife Brook is tributary to Mystic River/Boston Harbor



# MWRA CSO Control Program in Alewife

## Completed Work

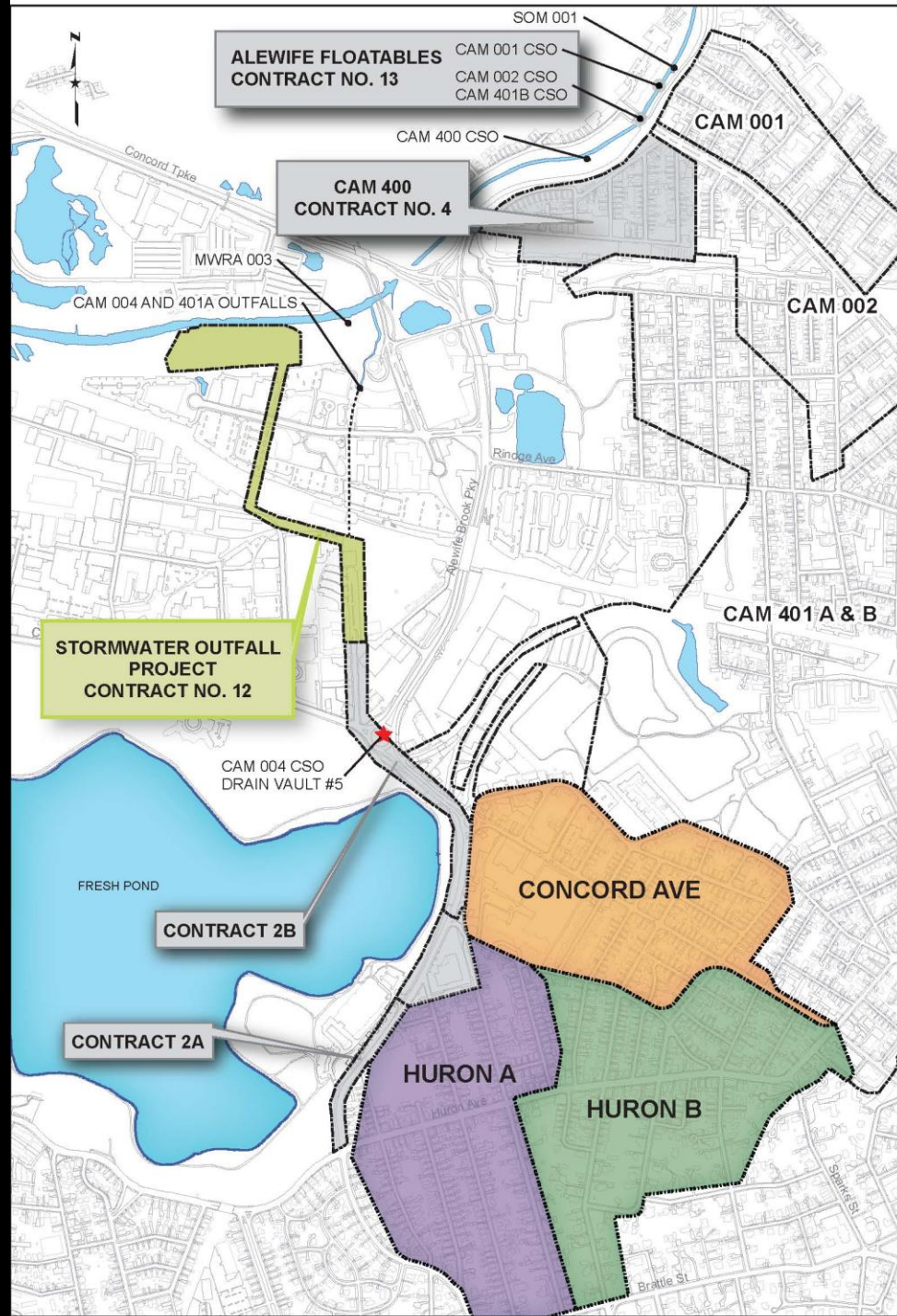
- Outfall improvements
- Fresh Pond Parkway

## Ongoing Work

- Whittemore Ave

## Upcoming Work

- Stormwater Wetland
- Huron/Concord area





# Stormwater Wetland and Outfall



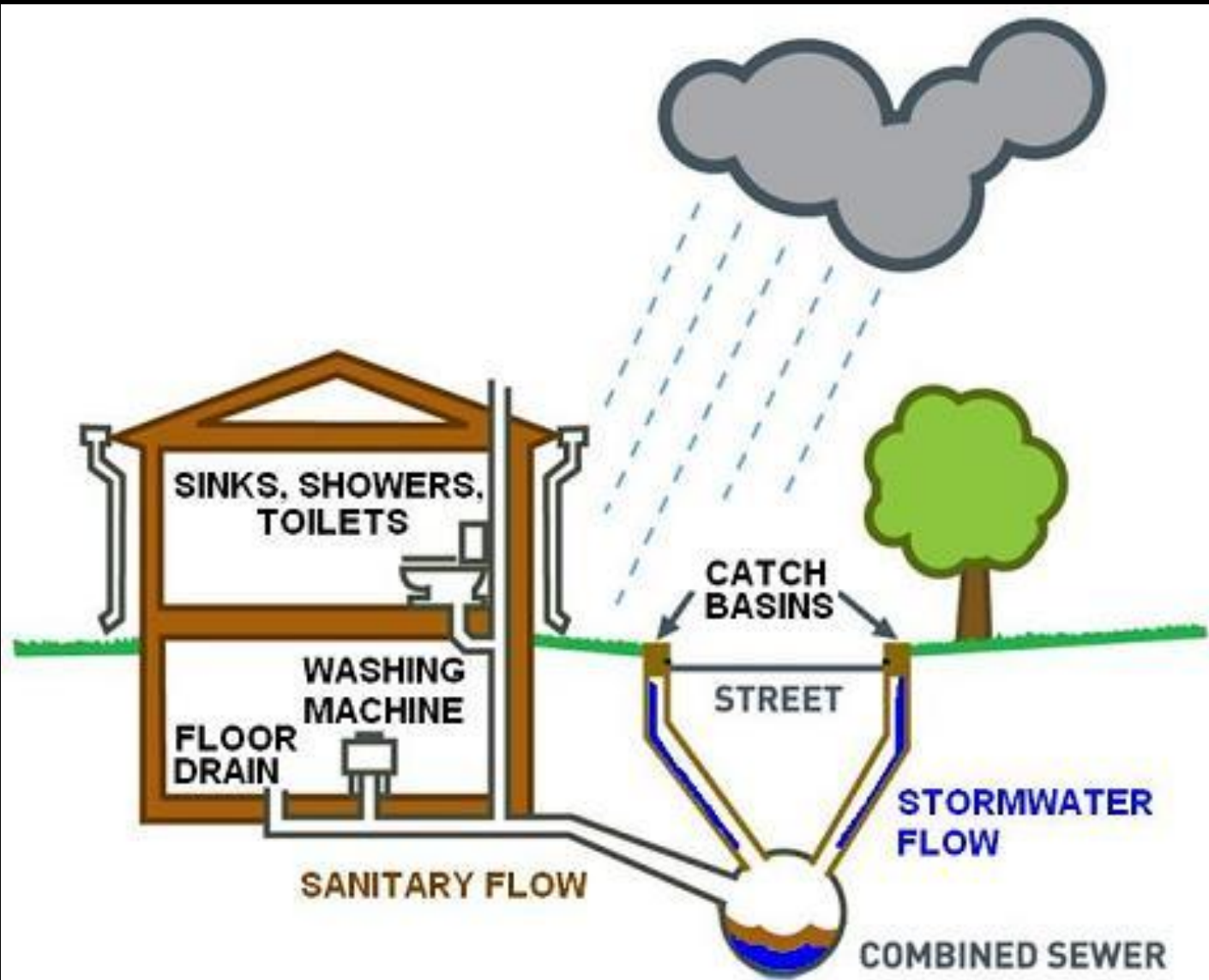


# Alewife Stormwater Wetland

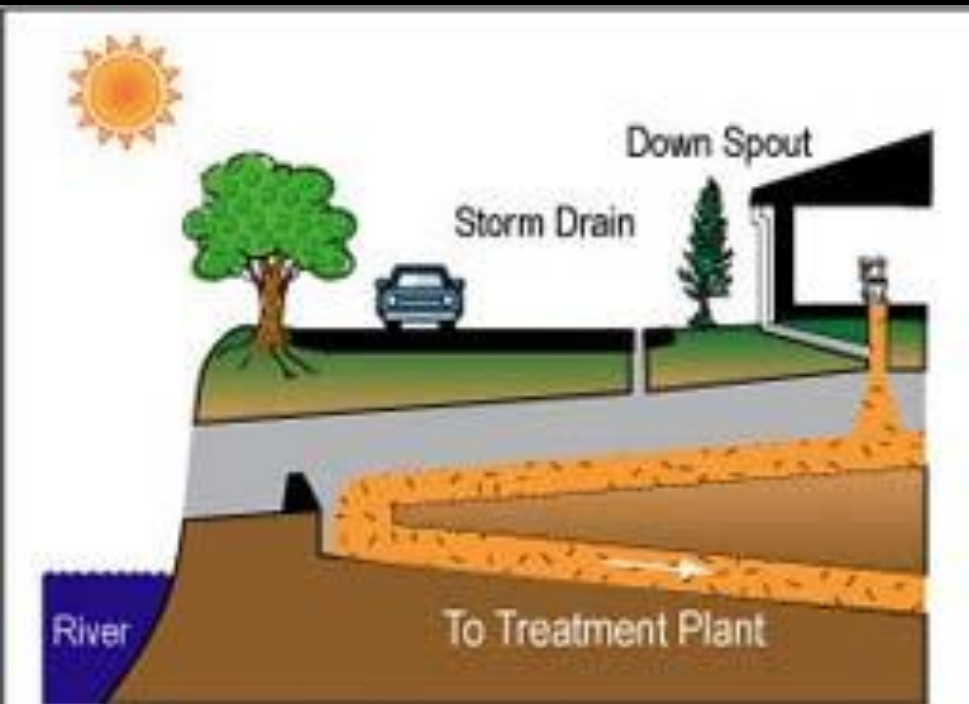




# What is a Combined Sewer System?



# What is a Combined Sewer Overflow?





# Sewer Separation of Huron/Concord Area



# Benefits of Sewer Separation

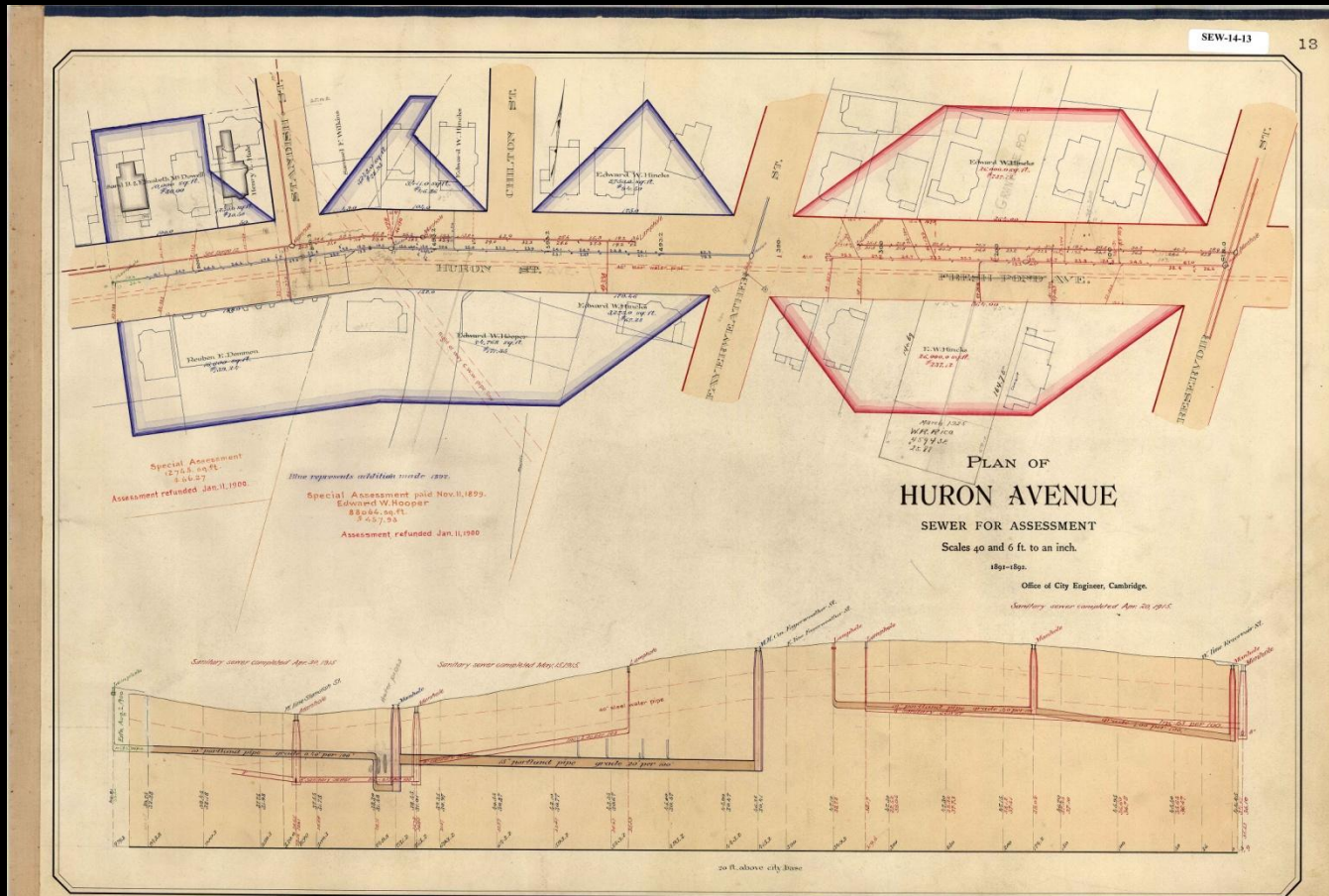
- Protect Fresh Pond
- Improve sewer and stormwater LOS
- Improve water quality in Alewife Brook  
(eliminate CSOs and cleaner stormwater discharges)





# Utility Improvements

- **Primary focus will be sewer and stormwater systems**
- **Existing systems constructed between 1880 and 1940**



# Other utilities that may be improved in conjunction with sewer separation

- City Water mains and services
- NStar Gas mains and services
- NStar Electric relocations
- Verizon Telephone relocations
- Comcast CATV relocations





# Sewer Main Construction and Rehabilitation

## Installation of new pipes



# Sewer Main Construction and Rehabilitation

## Installation of manholes





# Sewer Main Construction and Rehabilitation

## Lining of existing pipes



01/07/2010

# Stormwater Construction and Rehabilitation

## Installation of pipes and manholes





# Stormwater Construction and Rehabilitation

## Installation of specialized structures



# Water Main Construction

Installation of mainline pipes, hydrants and services

Lead water services will be replaced with copper pipe.





# Utility Improvements

Scope of work for individual streets will be determined during design process





# Opportunity to Make Significant Improvements to Streets & Sidewalks





# Existing Conditions – Paving & Sidewalks





# Existing Conditions – Trees & Sidewalks





# Sidewalk Access – Tree Inventory



# Sidewalk Access – Tree Inventory





# Basic Infrastructure Improvements

- Cleaner Alewife Brook
- Smooth Pavement
- Accessible Sidewalks
- Healthy Tree Canopy



Opportunity to work with neighborhood to incorporate additional improvements

# Other Opportunities





# Opportunity to Incorporate Traffic Calming



# Plantings Beyond Street Trees





# Rain Gardens



**BEFORE**



**AFTER**







# **Community Relations**

**Meetings – large discussion and breakout groups.**

**Site walks**

**Project Webpage - Survey**

**Updates via email/flyers**

# Next Steps

- **Survey – Need your input**
- **Data Collection**
  - **Building inspections**
  - **Cleaning and inspection of pipes and structures**
  - **Soil borings**
  - **Topographic survey**
  - **Tree inventory**
- **Detailed design of Huron Avenue Contract A**
  - **Next meeting February 2011**
  - **12 month design phase**
  - **Construction begins summer 2012**



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